

Converting Colors

`RYB(228, 207, 233)`

Have a look what the booklet for RYB(228, 207, 233) contains.

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Color

R_YB(228, 207, 233)

Conversions

Conversions Part 1

Format	Color
Hex	E4CFE9
RGB	228, 207, 233
RGB Percent	89%, 81%, 91%
CMY	0.1059, 0.1882, 0.0863
CMYK	0.02, 0.11, 0.00, 0.09
HSL	288°, 37%, 86%
HSV	288°, 11%, 91%
XYZ	69.0157, 67.0028, 86.3861
YIQ	216.2430, 4.1700, 12.5380

Conversions

Conversions Part 2

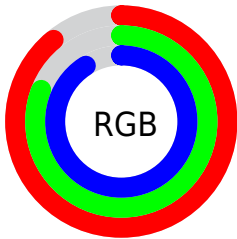
Format	Color
R _Y B	228, 207, 233
Decimal	14995433
CIE Lab	85.51, 11.88, -10.14
CIE LCh	86, 15.623, 319.524
Yxy	67.0028, 0.3103, 0.3013
Android (android.graphics.Color)	4293185513 (0xFFE4CFE9)
YUV	216.2430, 8.2612, 10.3109
Hunter-Lab	81.8553, 7.2544, -5.2732

Details

The RYB color **228, 207, 233** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **207, 233, 228**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 153, 177** is the 20% darker color. If you saturate the color by 10%, you get **224, 184, 233**, and if you desaturate by 10%, it is **232, 230, 233**.

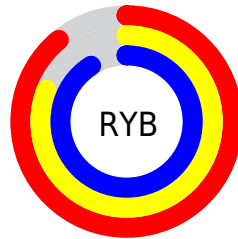
Distribution



Red (89%)

Green (81%)

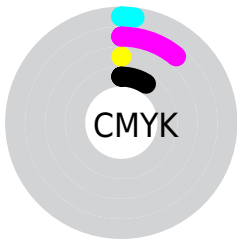
Blue (91%)



Red (89%)

Yellow (81%)

Blue (91%)

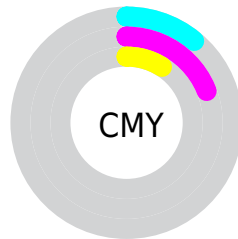


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (19%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 207, 233 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 228, 207, 233 by changing the saturation by 10% instead.

■ 228, 207, 233

255, 255, 255

■ 228, 207, 233

■ 200, 179, 205

■ 173, 153, 177

■ 146, 127, 151

■ 120, 102, 125

■ 95, 78, 100

■ 71, 55, 76


■ 49, 33, 53

■ 28, 12, 32


■ 0, 0, 6

 228, 207, 233


 228, 207, 233

 224, 184, 233


 232, 230, 233

 219, 160, 233

 233, 254, 250

 215, 137, 233


 233, 255, 247

 210, 114, 233

 233, 255, 242

 206, 90, 233

 233, 255, 238

 201, 67, 233

 233, 255, 233

 197, 44, 233

 192, 21, 233

 188, 0, 233

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



210, 212, 241



228, 207, 233



241, 204, 219

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 207, 233



220, 231, 185



176, 199, 223

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



228, 207, 233



207, 233, 228

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



184, 207, 222



228, 207, 233



186, 216, 187

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228, 207, 233



242, 211, 192



194, 220, 216



179, 203, 236

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228, 207, 233



245, 204, 209



194, 220, 216



178, 202, 223

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



228, 207, 233



254, 247, 255



207, 211, 233



127, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 207, 233



249, 222, 255



233, 207, 225



115, 106, 117



146, 0, 181



43, 0, 54

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



233, 207, 212



255, 222, 228



207, 227, 233



117, 106, 108



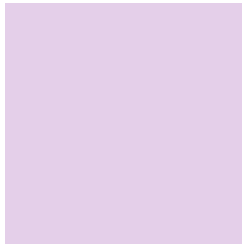
181, 0, 35



54, 0, 10

Previews

White Background



This preview shows how the RYB color 228, 207, 233 looks on a white background.

Color Contrast Check

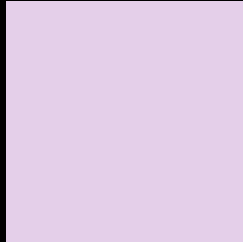
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 228, 207, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

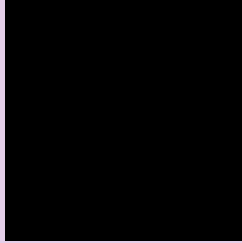
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 228, 207, 233 Background



This preview shows how black text looks on a background with the RYB color 228, 207, 233.



This preview shows how white text looks on a background with the RYB color 228, 207, 233.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
[228, 207, 233](#)

Protanopia
[211, 212, 236](#)

Deuteranopia
[226, 208, 233](#)



Tritanopia
227, 208, 225

Trichromacy



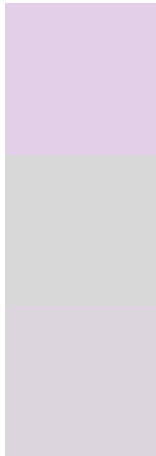
Original Color
228, 207, 233

Protanomaly
217, 210, 235

Deuteranomaly
227, 208, 233

Tritanomaly
227, 208, 228

Monochromacy



Original Color
228, 207, 233

Achromatopsia
216, 216, 216

Achromatomaly
220, 213, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 207, 233 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(228, 207, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 207, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(228, 207, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 207, 233) }
```

Border

The CSS property to change the border of an element to RYB 228, 207, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 207, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(228, 207, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(228, 207, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 207, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 207, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 207,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 228, 207, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 207, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(228,  
207, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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